

APPROVED BY DRAFTSMAN	D.G. FIG.
	CLASS SUBCLASS

Divisional of 09/182, 616
OMRF 152 Dir(3)

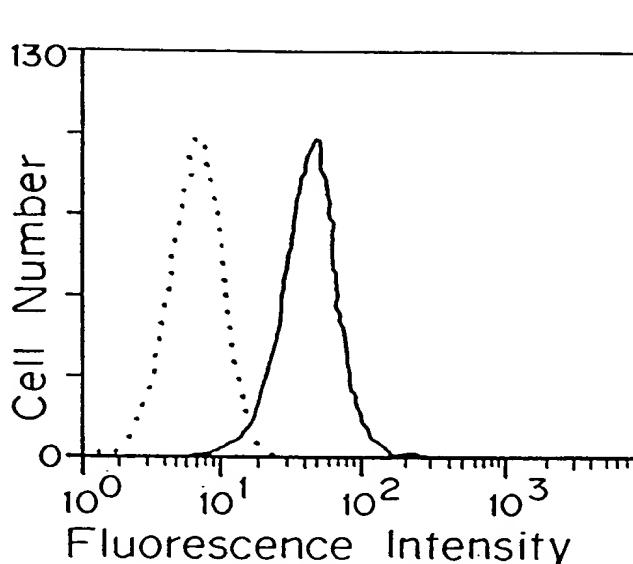


FIG. 1a

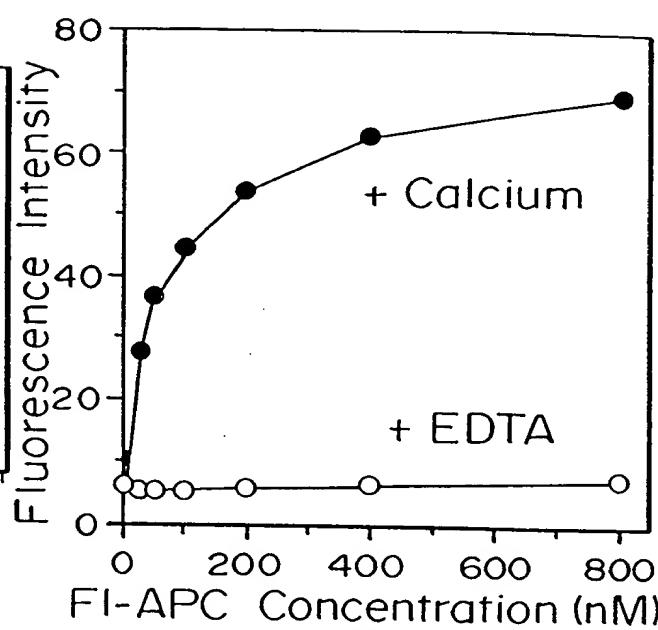


FIG. 1b

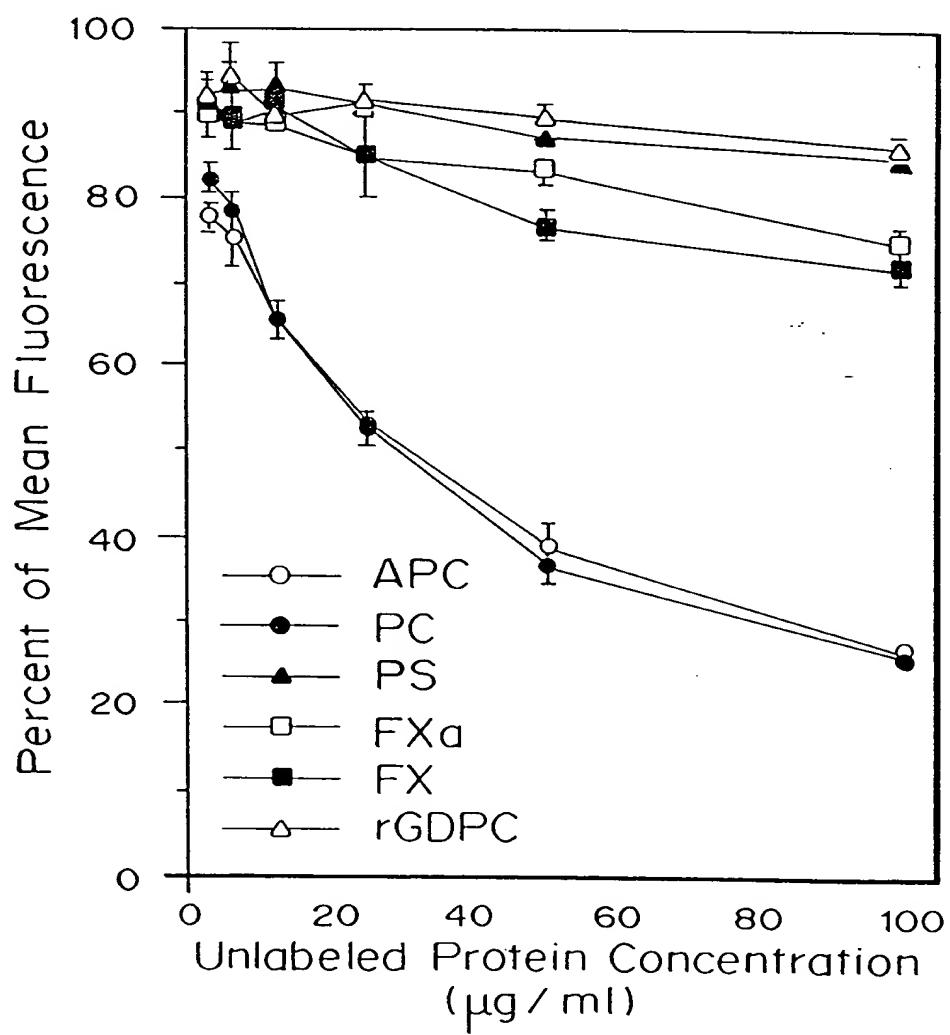


FIG. 1c

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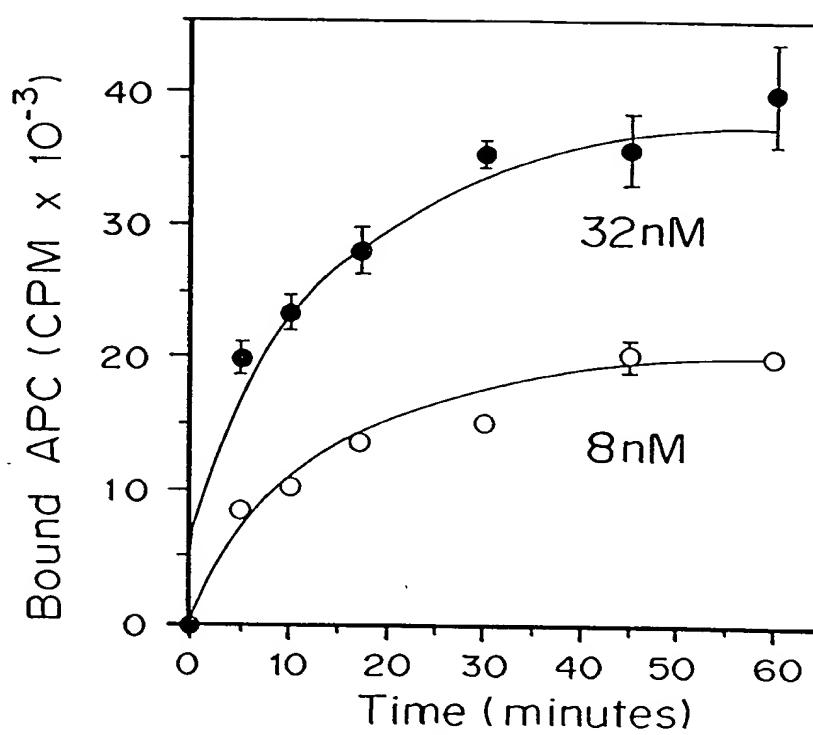


FIG. 2a

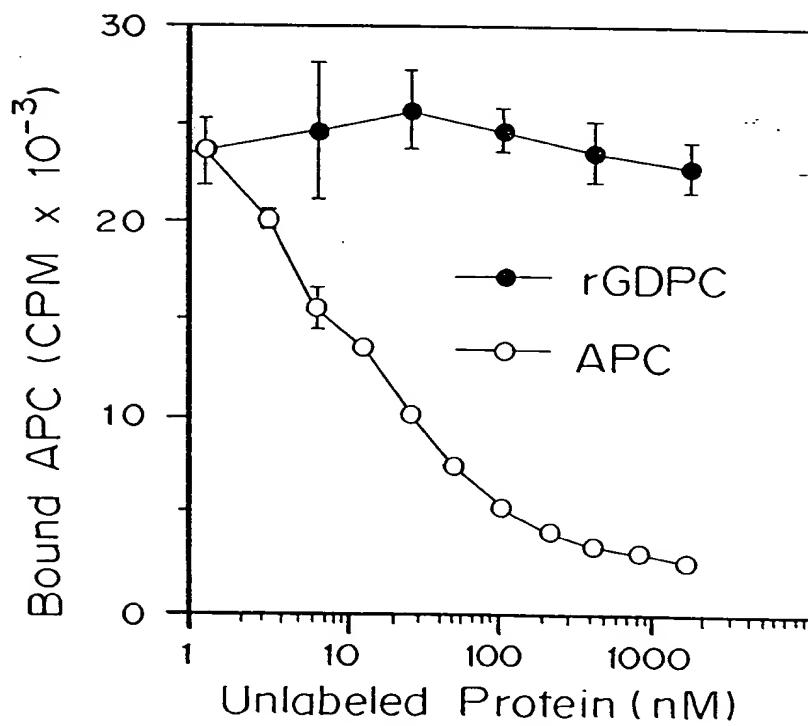


FIG. 2b

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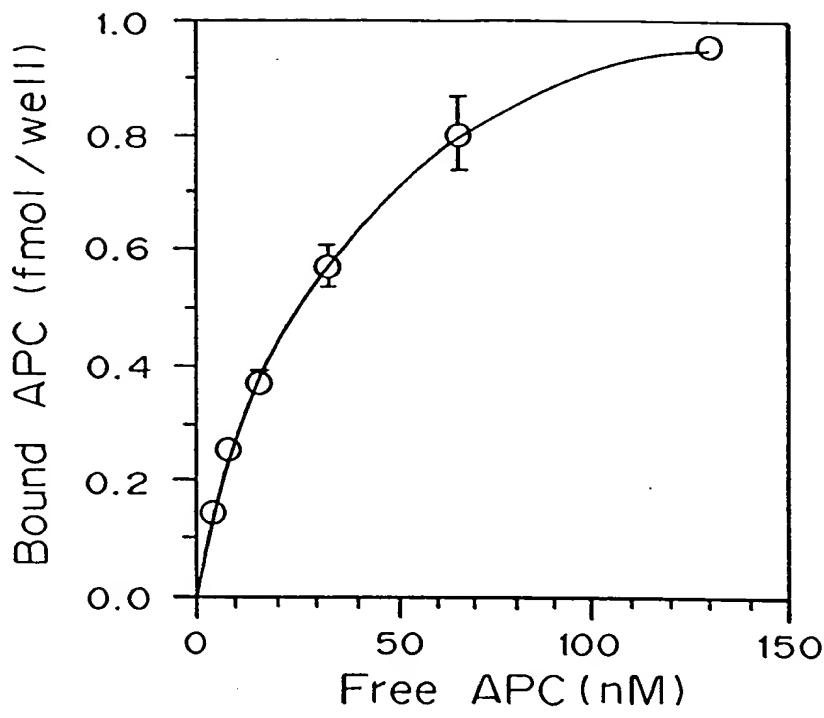


FIG. 2c

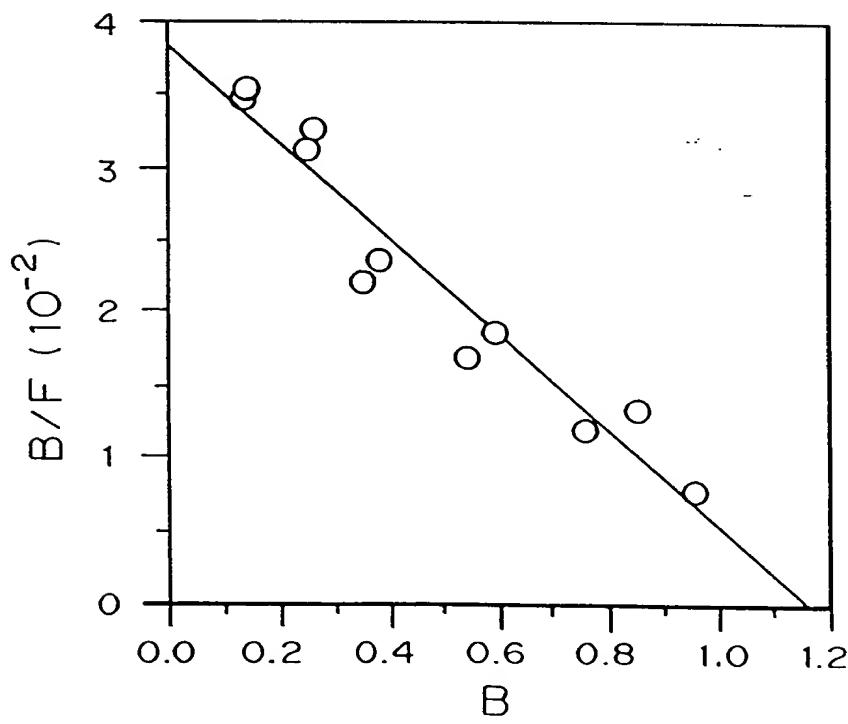


FIG. 2d

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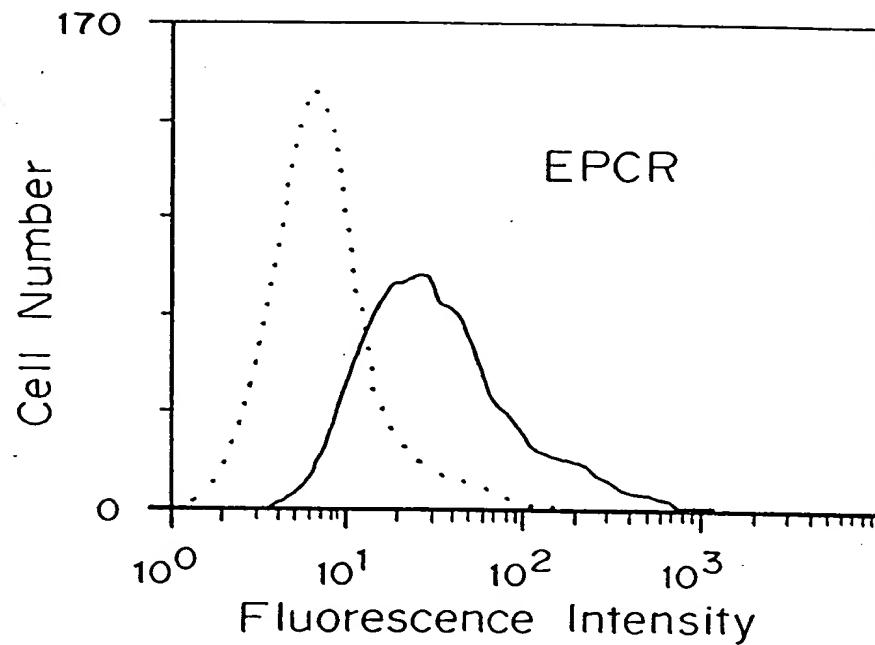


FIG. 3a

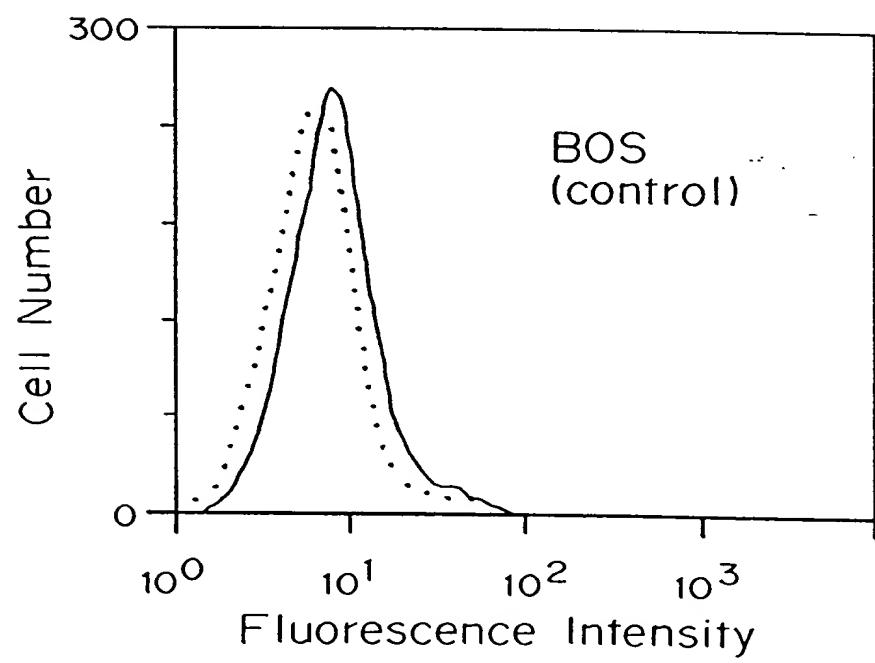


FIG. 3b

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F/G. 40

CAGGTCCGGACTCAACTCAGGATGTTGACAACATTGCTGCCGATACTGCTGCTGCTCT 60
M L T T L P I L L S
G W A F C S Q D A S D G L Q R L H M L Q 32

GGCTGGCCCTTGTAGGCCAAGGACGCCCTCAGATGGCTCCAAAGACTTCATATGCTCCAG 120
I S Y F R D P Y H V W Y Q G N A S L G G 52

ATCTCCTACTCCGGACCCCTATCACGTGTGTACCCAGGGCAACGGCGTCGCTGGGGGA 180
H L T H V L E G P D T N T T I I Q L Q P 72

CACCTAACGCAACGTGCTGGAAAGGCCAGACACCAACACCAGATCATTCAAGCTGCAGGCC 240
L Q E P E S W A R T Q S G L Q S Y L L Q 92

TTGCAGGCCAGAGCTGGGGCCGGCAGGAGCTGCAGTCAGTCCTACTGCTCCAG 300
F H G L V R L V H Q E R T L A F P L T I 112

TTCCAGGGCCTCGTGGCCTGGTGCACCCAGGAGGGACCTTGGCCTTCCTGACCATC 360
CGCTGCTGGGCTGTGAGCTGCCTCCGAGGGCTCTAGAGCCCATGTCTCTTCGAA 420
R C F L G C E L P P E G S R A H V F F E 132

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F/G. 4b

GTGGCTGTGAATGGGAGGCTCCTTGTGAGTTTCGGGGAGAGAGCCCTTGTGGCAGGCCA 480
 V A V N G S S F V S F R P E R A L W Q A 152

GACACCCAGGTCACCTCCGGAGTGGTCACCTTCACCCCTGCAGCAGCTCAATGCCTACAAAC 540
D T Q V T S G V V T F T L Q Q L N A Y N

CGCACTCGGTATGAACTGCGGGAAATTCCCTGGAGGACACCTGTGTGCAGTATGTGCAGAAA 600
R T R Y E L R E F L E D T C V Q Y V Q K 192

CATATTCGGGGAAACACGAAAGGGAGGCCAACAGCCCTACACTGGCTGGTC 660
H I S A E N T K G S Q T S R S Y T S L V

CTGGGGCCTGGTGGGGTTCATCATTGCTGGTGTGGCTGTAGGCATCTTCCTGTGC 720
L G V L V G F I I A G V A V G I F L C 232

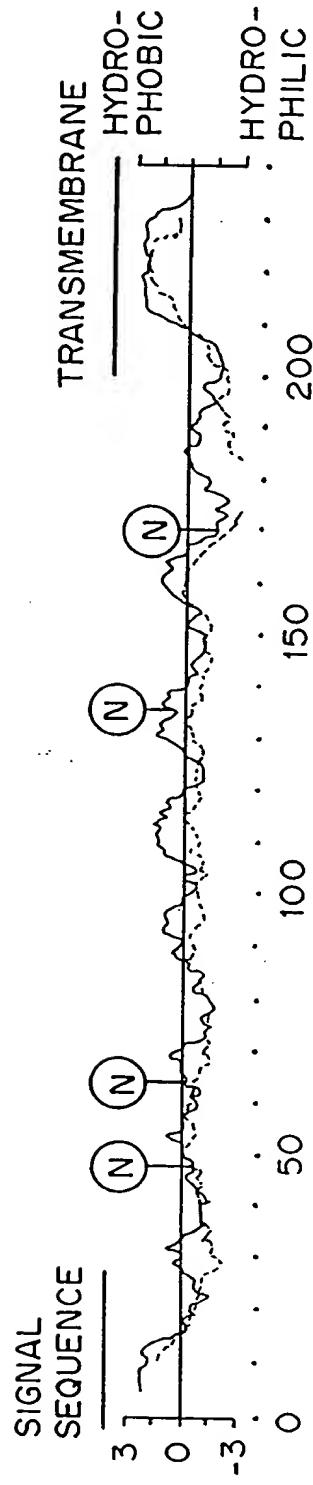
ACAGGTGGACGGCGATGTTAATTACTCTCCAGCCCCGTCAAGAGGGGCTGGATTGATGGA 780
T G G R R C * 238

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F/G. 4C

GGCTGGCAAGGAAAGTTTCAGCTCAC TGTGAAGCCAGACTCCCCAACTGAAACAC CAGA 840
 AGCTTGGAGTGACAGCTCTTCTCCCACATCTGCCCACTGAAGATTGAGGGAGG 900
 GGAGATGGAGAGGAGAGGTGACAAGTACTGGTTTGTCTTAAGAACCTAAGAACGTTGTTAT 960
 GCTTTGCTGAATTAGTCTGATAAGTGAATGTTTATCTATCTCTGGAAAACAGATAATG 1020
 GAGTTGGGCAGGAAAGCCTATGCCCATCCTCCAAGAACAGACAGAACAGAATCACCTGAGGGCT 1080
 TCAAAGATAACCAAAATAAACAAAGTCATCCACAAATCAAACATTCAATACTTC 1140
 CAGGTGTCAAGACTTGGGATGGGACCCGTGATAATAAGGTAGAAAGTAACAGAA 1200
 GAAGTGGTGAATGTAAAATCCAAAGTCATATGGCAGTGTCAATTATAATCAAATTAT 1260
 AATATTAAATAATTCTTATTTAAAAA AAAAAAAA 1302



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FIG. 5a

EPCR	MLTT . [LPTLL SGWAFCSQDASDG [QR [QHM QISYFRDPPYHVVWQGNASLGGHLTHV [L
CCD41	MLTKF [LULUPGCAFVTPMAPKAAYAPDL [FPRPPSCEASGORSLGKLLTHTL [.
CD1d	MGC .. [LFLLWALLQAWGSAEVPORFPRCQLTISSFANSWTRTDGLA [WGELOQTHSW [
MCD1.2	MRY .. LPCLLLWAFLQVWGQSEVQQKNYTFRCLQTSFSANISWSRTDSLILLGDQTHR W [

EPCR	RCFLGCEL	P	...PEGSRRAHVF	VAVNGSSF	SFVSRPERA	WQADTQVTS	FTLQL	*	*
CCD41	SCSLGCEL	P	...EEESEPHVFF	VAVNGSAF	VSGSQEP	SKAANFTL	KOL	*	*
CD1d	QVSAGCEVHP	P	...EGSEPHVFF	VAVNGSAFRPKTA	WVSGSQEP	FTL	LA	V	*
MCD1.2	QLSTGCEMYP	P	...EGSEPHVFF	VAVNGSAFRPKTA	WVSGSQEP	FTL	LA	V	*

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FIG. 5b

EPGR	NAYNRTRYELREFLEDDTCVQYV	QKHTISAENTKGQSQT
CCD41	NAYNRTRYELQEFQLQDTCVEF	ENHITTONMKGSQTG
CD1d	NQDKWTRTQVQWLNGTCTPQFV	SPGPGRRLLVCHVSG
MCD1.2	NADQGTSATVQTLNQDTPQFARGLLEAGKSDEKQEKPVAWLSSVPPSAHGHQLVLCHVSG	

EPCR	RSYTSVLGV	VGGFIAGVAVGIF	LCTGGRR
CCD41	RSYTSVLGV	MGGFIAGVAVGIF	SGLLII
CD1d	QDIVLYWGGSYT	SMGLTA	AVALACLLIVGFTS.	RFKRQTSYQGVVL
MCD1.2	ODIILYWDARQAPVG	GLIV	FIVLIMLVVMGAVVYYI.	WRRRSAYQDIR

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1 MLTTLLP..ILLLSGWAFCSQDASDGLQRLHMLQISYFRDPYHVWYQGNA48

||||::|| :||| .||:| .||||.||| | | | .|||:| | | |

1 MLTKFLPLLLLLLPGCALCN...SDGSQSLHMLQISYFQDHVVHRHQGNA 47

49 SLGGHLTHVLEG PDTNTTIIQLQPLQEPE SWARTQSGLQSYLLQFHGLVR 98

|||| ||||| :||| :||| :||| :||| :||| :||| :||| :||| :|||

48 SLGKLLHTLEGPSQNVTILQLQPWQDPESWERTESGLQIYLTFESLVK 97

99 LVHQER..TLAFPLTIRCFLGCELP...PEGSRAHVFFEVAVNGSSFVSF 143

||..|| ..:||| :||| :||| :||| :||| :||| :||| :|||

98 LVYRERKENVFFPLTVSCSLGCELPEEEEGSEPHVFFDVAVNGSAFVSF 147

144RPERALWQADTQVTSGVVTFTLQQLNAYNRTRYELREFLEDTCVQYVQKH193

||.||:||| .||| .||| .||| .||| .||| .||| .||| .||| .|||

148 RPKTAVVVSGSQEPSKAANFTLQQLNAYNRTRYELQEFLQDTCVEFLNH 197

194 ISAENTKGQSQTGRSYTSLVLGVLVGGFIAGVAVGIFLCTGRRRC 238

||.||| :||| :||| :||| .||| .||| .||| .||| .||| .|||

198 ITTQNMKGQSQTGRSYTSLVLGILMGCFIAGVAVGIFMCTSGRRRC 242

FIG. 6